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Feb 11, 1988

DERWENT-ACC-NO: 1988-043662

DERWENT-WEEK: 198807

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TITLE: Intra-ocular lens - for children with exchangeable lens in fixed implanted frame and haptic wire

INVENTOR: ROCHELS, R

PRIORITY-DATA: 1986DE-3626869 (August 8, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3626869 A	February 11, 1988	N/A	006	N/A
DE 3626869 C2	June 9, 1994	N/A	006	A61F002/16

INT-CL (IPC): A61F 2/16

ABSTRACTED-PUB-NO: DE 3626869A

BASIC-ABSTRACT:

An intraocular lens, esp. for implantation in babies with congenital cataract or aphakia, consists of the frame (2) and the haptic wire (3) which are firmly implanted in the capsular bag of the eye. The optical part of the lens is exchangeable in the frame either by a bayonet joint (5) or by a thread so that it can be replaced by one of different refractive power after a few years. All three parts (1,2,3) are pref. made of PMMA.

ADVANTAGE - This permits a compensation of the changes in the refractive power which changes on an average from +35 for a newborn baby to +20 when 6 years old.
/5

ABSTRACTED-PUB-NO:

DE 3626869C EQUIVALENT-ABSTRACTS:

The intraocular lens for implantation has an optical part (1) loosely fitted in the holding frame (2) for rotation. After a successful initial implantation, the optical part (1) can be replaced while the frame remains in place. Grip points (8, 9) for a rotating tool are at the optical part (1) and/or the frame (2).

Touch section (3) is pref. loop-shaped and of PMMA and the whole lens body with the optical part, frame and touch section are of PMMA.

USE/ADVANTAGE - The lens system is for implantation as an intraocular lens, e.g. for elderly patients with a cataract condition, but esp. for children with clouding of the eye lens. The system gives an implantation lens structure without leading to weak sight through refraction changes in the eye during childhood growth.